(54) ADMIXTURE FOR EXTRUSION-MOLDING ASBESTOS-FREE CEMENT

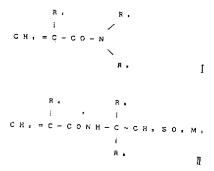
(11) 4-182333 (A) (43) 29.6.1992 (19) JP

(21) Ap. 10. 2-309101 (22) 14.11.1990 (71) PA: HI KOGYO SEIYAKU CO LTD (72) TADAAKI SHIMOMURA(1)

(51) Int. Cls. C04B14/46,C04B16/02,C04B24/26,C04B28/02//(C04B28/02,C04B14/46, C04B16/02,C04B24/26)

PUR POSE: To attain surface smoothness of a molded article and to exhibit an excellent extrusion-molding function by using an admixture for extrusion-molding as bestos-free cement consisting of specified acrylic polymer and cellulose derivative.

CONSTITUTION: From 99.9 to 30mol% of a compd. shown by formula I (R1 is H or CH3, and R2 and R3 are H or lower alkyls) and 0.1.70mol% of a compd. shown by formula II (R4 is H or CH3, R5 and R6 are H or lower alkyls, and \mathbf{M}_1 is H, alkali or NH,) are copolymerized, and 5-50wt.% of a water-soluble or dispersible acrylic polymer with the viscosity of its 0.2% soln. in 4% aq. NaCl soln. at 25°C measured by a rotational viscometer controlled to 1-15cp and 95-50wt.% of a water-soluble or dispersible cellulose derivative (e.g. alkylcellulose) are added to the copolymer to obtain the admixture.



(54) SELF-HARDENING FILLING-BACK MATERIAL

(11) 4-182334 (A) (43) 29.6.1992 (19) JP

1) Appl. No. 2-311398 (22) 19.11.1990

1) TOKYU CONSTR CO LTD (72) SHINICHI TAMAI(5)

(51) Int. Cl⁵. C04B18/08,C04B24/16,C04B28/02//(C04B28/02,C04B18/08,C04B24/16)

PURPOSE: To improve fillability, corrosion resistance and suitability to reexcavation by mixing fly ash, clinker ash, cement, a thickener and a foaming agent with water.

CONSTITUTION: Water is mixed with a foaming agent such as sulfuric ester of higher alcohol and further mixed with a thickener such as a cellulose esterbased thickener, cement such as common Portland cement, fly ash and clinker ash to obtain the title material having ≥30cm table flow value stipulated by JIS.

(54) PRODUCTION OF SELF-HARDENING FILLING-BACK MATERIAL

(11) 4-182335 (A) (43) 29.6.1992 (19) JP

(21) Appl. No. 2-311399 (22) 19.11.1990

(71) TOKYU CONSTR CO LTD (72) SHINICHI TAMAI(5)

(51) Int. Cl⁵. C04B18/08,C04B24/16,C04B28/02//(C04B28/02,C04B18/08,C04B24/16)

PURPOSE: To improve flowability, corrosion resistance and suitability to reexcavation by mixing water with a foaming agent and further mixing the mixture with a thickener, cement, fly ash and clinker ash.

CONSTITUTION: Water is mixed with a foaming agent such as sulfuric ester of higher alcohol and further mixed with a thickener such as a cellulose esterbased thickener, cement such as common Portland cement, fly ash and clinker ash to obtain a self-hardening filling-back material having ≥30cm table flow value stipulated by JIS.